

hands of a teacher overseas to be very sure of their ground before making a final choice. We are so far away from the hub of things and we know so little, that we must go very warily.

Reg. 29-11-28

Mr. Justice Angus Parsons was re-elected Warden of the Senate of the University of Adelaide at a meeting on Wednesday. Mr. F. W. Eardley, B.A., was re-elected clerk. Representatives of the Senate on the University Council were elected as follows:—Dr. Helen Mayo, Messrs. W. R. Bayly, B.A., B.Sc., E. W. Holden, B.Sc., A. Grenfell Price, M.A., W. G. T. Goodman, and Harry Thompson, LL.B.

Adv. 30-11-28

UNIVERSITY EXAMINATIONS.

From "EX-LEAVING HONORS," Kensington:—I should like to know why the University has this year set such a hard mathematics I. paper for the intermediate examinations. Last year I passed the leaving honors examination, when I included mathematics I with my other subjects, and this year's intermediate was harder than last year's leaving honors. Never before have I seen such a difficult test set for scholars between 14 and 16 years of age.

Reg. 30-11-28

Members of the Economic Commission are finding their short stay in Adelaide a rather busy one, few hours of the day being left vacant for them to attend to private business. In between Thursday's conferences, Sir Hugo Hirst and Sir Ernest Clark, who are, at present, the only members of the mission present in Adelaide, found time to lunch at the South Australian Hotel with members of the University Council. In addition to the two mentioned, the Acting Vice-Chancellor (Professor R. W. Chapman), the chairman of the finance committee (Mr. W. J. Young), the Warden of the Senate (Mr. Justice Angus Parsons), and Professors Brailsford Robertson, A. E. V. Richardson, and MacKellar Stewart were also present. The gathering was an informal one, and the conversation not limited to any particular subject, or along any defined channels. General educational matters were briefly referred to.

REG 3-12-28

LORD TENNYSON.

Death in London.

LONDON, December 2.

Lord Tennyson became critically ill to-day with congestion of the lungs following a chill. He was progressing satisfactorily when he had a sudden relapse and died soon afterwards.

Lord Tennyson, who is 76 years of age, is the son of the great poet. He was Governor of South Australia from 1889 to 1902, and Governor-General of Australia from 1902 to 1904.

ADV. 3-12-28

WORKERS' EDUCATIONAL ASSOCIATION.

The Chancellor of the University (Sir George Murray) has been informed by the president of the Carnegie Corporation of New York that the sum of 5,000 dollars has been appropriated to the University of Adelaide for the co-operative adult education programme with the Workers' Educational Association, including provision for books. The gift, which has been gratefully accepted by the council, is a direct result of the recent visit of Dr. James E. Russell, who, in a letter of advice says he was able to give so good an account of the work being done in Adelaide that the corporation had no hesitancy in making the grant.

ADV. 3-12-28

At a meeting of the council of the University on Friday the Chancellor intimated that Professor R. W. Chapman, Acting Vice-Chancellor, had been awarded the P. N. Russell Memorial Medal for Engineering. He desired, on behalf of the council, to offer its warmest congratulations on his receiving so distinguished an acknowledgment of his great services to engineering.

THE ECONOMIC DELEGATION.

VISIT TO URRBRAE.

VALUABLE EXPERIMENTS.

Sir Arthur Duckham and Mr. Douglas Orme Malcolm, members of the British Economic Delegation, accompanied by the chairman of the Development and Migration Commission (Mr. H. W. Gepp) visited the Waite Institute for Agricultural Research, Urrbrae, on Saturday afternoon, and were conducted round the more important experiments by the director (Dr. A. E. Prescott). Work at the institute has now reached the stage when it is necessary to make a selection of its activities to show to visitors so as to cover the ground in anything like a reasonable time.

With the Melrose Laboratory nearing completion and the young trees in the arboretum planted, it is now possible to see how the grounds will eventually appear from the verandah of the house. After seeing this the party proceeded to what is probably the most important experiment of the year. The institute have been testing the theory that wheat need not necessarily follow bare fallow, provided that a suitable rotation is provided or correct manuring given. Of two crops shown side by side, one of which had followed bare fallow and the other followed another crop of wheat, the latter was, if anything, the better, although both crops are estimated to yield something in the region of 40 bushels. Both were sown late, with about 10 inches of rain during the growing period. The chief functions of the bare fallow is to conserve the soil moisture and to provide nitrogen. The experiment tends to show that, with a 20-inch annual rainfall, the preservation of the moisture is not essential, provided that the crop is given sufficient nitrogen. The visitors were greatly impressed with the height of the crop, after what they had seen from the train on their recent trip to Port Pirie. Dr. Richardson had that morning received two telegrams from Melbourne from people wishing to inspect the experiment.

Crops on virgin soil were then inspected, showing a striking comparison between those which had received superphosphate and those without. Adjoining this field was a grazing paddock divided into ten blocks. A flock of weaners is to be grazed on this, one section on unmanured blocks, another on blocks treated with superphosphate, and a third on unmanured blocks, who will have the superphosphate administered to them in a liquid form. This experiment is to test the contention that superphosphate is costly to apply, and lowers the quality of the wool. Quadrats, or "sanctuaries" have been fenced off all over the paddock to give a guide to the quantity eaten by the sheep. Various experts will work out the botanic and chemical content of the pasture, and test the wool, and from this data valuable conclusions may be reached.

The party then inspected the Melrose Laboratory, now almost ready for occupation. They were particularly impressed, however, with the greenhouses, where the experiments on tomato wilt and manganese deficiency, or grey speck disease, are being investigated. The tomato wilt has been traced to a microscopic thrip, and the sight of a single tomato leaf, portion of which was covered by a small glass tube under which the thrip was said to be feeding, aroused considerable interest. The experiment on manganese deficiency particularly interested Mr. Malcolm who asked a number of questions with regard to chemical difficulties which he saw in the carrying out of the experiment. Unfortunately most of the cultures had been harvested, but comparative photographs conveyed an accurate idea of what had been done.

Amusing Features.

Water content experiments, which had proved that by the application of superphosphate, 15 or 20 per cent. more wheat could be produced on the same amount of water, also interested the visitors. Two new entymological greenhouses are to be built nearby, giving that "geometrical progression" which struck Sir Arthur Duckham as one of the most commendable features of the work of the institute generally.

For the pasture experiments, a portable sheep-shearing plant is used to cut the grass on the check plots, as it is considered that this most nearly approaches the effect of grazing. Graz-

ing the grass when it is full grown, gives the animal the greatest weight of nourishment, but continual grazing, represented by cutting the check plot once a week, gives the greatest nutritive value, and the least weight. Somewhere between the two extremes is the optimum result which the institute is looking for. The visitors were rather amused at the idea of "shearing" the grass, and Sir Arthur enquired why Dr. Richardson did not hire a barber for the work. "Of course, you throw the plot of ground on its back first," explained Mr. Gepp. There were several features of the work which the visitors found amusing. One was the provision of a strip of wheat around each of the experimental plots solely for the birds to eat. This is intended to draw them away from the experimental wheat, and the extent to which the straw of the "bird crop" is pulled down and the ears eaten shows how well it fulfils its purpose. The idea of posting a man up a tree in a chair, armed with a pair of field glasses and a notebook to see which sort of grass sheep preferred, also caused a certain amount of merriment, although the idea was pronounced excellent. A series of plots were laid out for a palatability test. If one went up to the sheep they were naturally disturbed, and moved away, but the man in the tree could record when each sheep, marked with a distinctive ribbon, showed its preference by moving from one plot to another.

What appeared to interest the visitors more than anything else were the soil maps prepared by Professor Prescott. One in particular showed a section of the Renmark district, the map having been made after a number of men had been cotted in the district. It clearly accounted for such failures as there had been, and pointedly suggested the amount of money which might have been saved had the map been made prior to settlement. Another series of maps also proved of considerable interest. One of them showed the distribution of the wheat crops throughout Australia, and, taken in conjunction with a rainfall map, showed that wheat followed the distribution of transport facilities rather than rainfall. The visitors were surprised to see that little or no wheat was grown more than 12½ miles from a railway, owing to the difficulties of carting. They considered that motor transport should have at least doubled this radius.

Sir Arthur Duckham stated that he had spent a most interesting afternoon. The institute was doing just exactly the kind of work which Australia required. It was literally making money for the country.

ADV. 3-12-28

THE UNIVERSITY OF ADELAIDE.

SCHOLARSHIPS AND PRIZES.

The Council of the University at its meeting on Friday approved of the award of the following scholarships and prizes:—The Eugene Alderman Scholarship for Pianoforte, Miss Vina Melba Barnden; the Alexander Clark Memorial Prize for Singing, Miss Beatrice Joy Badenoch; the Robert Whinham Prize for Elocution, Miss Marian Kathleen Hardy; Theory of Music Scholarship, Miss Dorothy Anne Woods; Practice of Music Scholarship, Miss Rosemary Joan Bensley; Theory of Music Exhibition, Misses Gladys Mary Kellock and Laurel Jean Ragless (equal); Practice of Music Exhibition, Miss Marjorie Edwards.

The following deans of faculties were appointed:—Faculty of arts, Professor J. R. Wilton; faculty of science, Professor Kerr Grant; faculty of law, Professor A. L. Campbell; faculty of medicine, Dr. C. T. C. de Crespigny; faculty of dentistry, Dr. A. M. Cudmore; faculty of music, Professor E. H. Davies. Mr. S. Russell Booth was appointed chairman of the Board of Commercial Studies.

Lecturers in the faculty of dentistry were appointed as follows:—Prosthetic dentistry, Dr. H. T. J. Edwards; general surgery, Dr. P. Santo Messent; general medicine, Dr. A. R. Southwood; orthodontia, Mr. P. Raymond Begg, B.D.Sc.; dental metallurgy, Mr. F. W. Reid, B.Sc.; dental materia medica and therapeutics, Mr. J. L. Eustace, B.D.S.; dental surgery and dental pathology, Dr. A. P. R. Moore.

In the faculty of medicine the following appointments were made:—Assistant lecturer and demonstrator in physiology and pharmacology, Dr. R. F. Matters; tutor in medicine, Dr. K. S. Hetzel; tutor in surgery, Dr. L. C. E. Lindon; demonstrator in biochemistry, Miss Lorna M. Green, B.Sc.; demonstrator in pathology, Dr. Effie J. Hone; instructor in anaesthetics, Dr. Gilbert Brown; tutors in obstetrics, Drs. J. B. Dawson and B. H. Swift; honorary demonstrators in anatomy, Drs. L. C. E. Lindon, H. R. Pomroy, and A. T. Britten Jones.

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APPOINTMENT OF LECTURERS.

The council also made the following appointments:—

Faculty of Dentistry.

Lecturers in—Prosthetic Dentistry, H. T. J. Edwards, D.D.Sc.; General Surgery, P. Santo Messent, M.B., M.S.; General Medicine, A. R. Southwood, M.D., M.S.; Orthodontia, P. Raymond Begg, B.D.Sc.; Dental Metallurgy, F. W. Reid, B.Sc.; Dental Materia Medica and Therapeutics, J. L. Eustace, B.D.S.; Dental Surgery and Dental Pathology, A. P. R. Moore, D.D.Sc.

Faculty of Medicine.

Assistant Lecturer and Demonstrator in Physiology and Pharmacology, R. F. Matters, M.B., F.R.C.S.; Tutor in Medicine, K. S. Hetzel, M.D., M.R.C.P.; Tutor in Surgery, L. C. E. Lindon, M.B., M.S., F.R.C.S.; Demonstrator in biochemistry, Miss Lorna M. Green, B.Sc.; Demonstrator in Pathology, Mrs. Effie J. Hone, M.B., B.S.; Instructor in Anaesthetics, Gilbert Brown, M.B., Ch.B.; Tutors in Obstetrics, J. B. Dawson, M.D., F.R.C.S., and B. H. Swift, B.A., M.B., F.R.C.S.; Honorary Demonstrators in Anatomy, L. C. E. Lindon, M.B., M.S., F.R.C.S., H. R. Pomroy, M.B., F.R.C.S., and A. T. Britten Jones, M.B., F.R.C.S.

Members of Council.

The council received the report of the Warden of the Senate (Mr. Justice Angus Parsons), intimating that the Senate had elected the following members of the council:—William Reynolds Bayly, B.A., B.Sc., William George Toop Goodman, M.I.C.E., M.I.E.E., Edward Wheewall Holden, B.Sc., M.I.E., Helen Mary Mayo, M.D., Archibald Grenfell Price, M.A., F.R.G.S., Harry Thomson, LL.B.

The Chancellor (Sir George Murray), in welcoming the new and the re-elected members, said that the resignation of Sir Joseph Verco had necessitated the election of one new member, and Mr. Harry Thomson had been elected to the vacancy. Mr. Thomson was well known to the council as a Rhodes Scholar, and as one of the lecturers in the Law School, and he hoped that his election would be the beginning of a long membership of the council.

Professor Chapman Honoured.

The Chancellor of the University intimated that Professor R. W. Chapman (acting vice-chancellor) had been awarded the F. N. Russell Memorial Medal for Engineering. He desired on behalf of the council to offer their warmest congratulations on his receiving so distinguished an acknowledgment of his great services to engineering.

A Carnegie Donation.

The Chancellor of the University has been informed by the president of the Carnegie Corporation, New York, that 5,000 dollars (£1,000) has been appropriated to the University of Adelaide for the co-operative adult education programme with the Workers' Educational Association, including provision for books. The gift, which has been gratefully accepted by the council, is a direct result of the recent visit of Dr. James E. Russell, who, in a letter of advice, says he was able to give so good an account of the work now being done in Adelaide that the corporation had no hesitancy in making the grant.

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